



HPR8401L

Encoder



Product Overview

HPR8401L is Catcast's professional high integration device which includes encoding, multiplexing. It supports 4/8 HDMI input, MPEG-4 AVC/H.264 encoding, IP (MPTS&SPTS) output, ASI output is optional. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, IPTV head-end, digital TV broadcasting, etc.

Key Features

- Support QR code, LOGO, OSD insertion for every local channel
- 4/8 HDMI input, support HDCP
- MPEG-4 AVC/H.264 Video encoding

- IP output over UDP and RTP protocol, support unicast and multicast
- ASI output is optional
- Support “Null PKT Filter” function
- Support PID Remapping/ PCR accurate adjusting
- PID pass
- LCD、key function
- Control via web management, and easy updates via web

Technical Specification

Input	4/8 HDMI input, support HDCP	
Output	IP output (4/8 SPTS and 1MPTS) 1000M UDP and RTP protocol Support unicast and multicast ASI output is optional	
Video	Encoding	MPEG-4 AVC/H.264
	Resolution	Input: 1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i, Output: 1920×1080_60P, 1920×1080_50P, 1280×720_60P, 1280×720_50P, 720×576_50P, 720×480_60P, 1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P
	Bit-rate	1Mbps~13Mbps (each channel)
	Rate Control	CBR
Audio	Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC v1&v2
	Sampling rate	44.1KHz and 48KHz
	Bit-rate	64kbps, 128Kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps
	Resolution	24-bit
	Audio Gain	0-255 Adjustable
Multiplexing	Maximum PID Remapping	180 output PIDs per channel
	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting

System function	Network management(WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension (W×L×H)	440mm×270mm×40mm
	weight	6kg
	Environment	0~45℃(work); -20~80℃(storage)
	Power requirements	AC100~240V, 50/60Hz